In the Claims

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1	2.	(Currently amended) A system as recited in claim 1 4 wherein said module further
2	includes a se	cond connector apparatus for connecting a cable between said module and said control
3	apparatus.	
1	3,	(Currently amended) A system as recited in claim 1 4 wherein said module further
2	includes an i	nternal signal source and said directing apparatus is further programmable to connect a
3	signal from s	said internal signal source to a said connector pin.
1	4.	(Currently amended) A system as recited in claim 1 A configurable connectorized
2	system comp	orising:
3	e	(a) a module including
4		(i) a first connector apparatus including a first plurality of connectors for
5	•	connecting a first plurality of cables between said module and a first
6		plurality of devices; and
7		(ii) directing apparatus responsive to an input signal from a control apparatus
8		for causing said module to place any of a plurality of signals on any of a
9		plurality of connector pins of said first plurality of connectors wherein
10		said directing apparatus includes a plurality of distribution networks with
11		each distribution network having a plurality of selectable paths leading to
12		a particular said connector pin of said first connector apparatus, with
13		each path for connecting a selected one of a plurality of signal types with

a selected said connector pin.

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1	5.	(Original) A system as recited in claim 4 wherein said paths in each said distribution
2	network incl	ude
3		(a) at least one first path selectable for connection of operational power to said
4		selected connector pin;
5		(b) at least one second path selectable for connection of a digital signal to said
6		selected connector pin;
7		(c) at least one third path selectable for connection of a power supply return to
8		said selected connector pin.
1	6.	(Original) A system as recited in claim 4 wherein said paths include at least one path
2	having a dig	tal to analog converter.
1	7.	(Original) A system as recited in claim 4 wherein said paths include at least one path
2		alog to digital converter.
-	inaving an an	
1	8.	(Currently amended) A system as recited in claim 1 A configurable connectorized
2	system comp	prising:
3		(a) a module including
4		(i) a first connector apparatus including a first plurality of connectors for
5		connecting a first plurality of cables between said module and a first
6		plurality of devices; and
7		(ii) directing apparatus responsive to an input signal from a control apparatus
8		for causing said module to place any of a plurality of signals on any of a
9		plurality of connector pins of said first plurality of connectors wherein
10		said directing apparatus is programmable to direct said module to output

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11				a first signal to said controller wherein said first signal conveys data
12				content of a signal input to said module to a selected one of said
13				connector pins of said first connector apparatus from a corresponding
14				said device.
1	9.		ently am	nended) A system as recited in claim 1 A configurable connectorized
2	system compr	ising:		
3		<u>(a)</u>	a mod	ule including
4			<u>(i)</u>	a digital to analog converter;
5			<u>(ii)</u>	a first connector apparatus including a first plurality of connectors for
6				connecting a first plurality of cables between said module and a first
7				plurality of devices; and
8	-		(iii)	directing apparatus responsive to an input signal from a control apparatus
9				for causing said module to place any of a plurality of signals on any of a
10				plurality of connector pins of said first plurality of connectors, wherein
11				said module includes a digital to analog converter and said directing
12				apparatus is programmable to direct reception of a digital signal from
13				said controller and cause said signal to be converted by said digital to
14				analog converter to an analog signal, and to place a copy of said analog
15				signal on any selected one of said connector pins.
1	10.	(Curr	ently an	nended) A system as recited in claim 1 A configurable connectorized
2	system compr	ising:		
3		<u>(a)</u>	a mod	ule including

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(i) an analog to digital converter;

5		<u>(ii)</u>	a first connector apparatus including a first plurality of connectors for
6			connecting a first plurality of cables between said module and a first
7			plurality of devices; and
8		(iii)	directing apparatus responsive to an input signal from a control apparatus
9			for causing said module to place any of a plurality of signals on any of a
10			plurality of connector pins of said first plurality of connectors wherein
11			said module includes an analog to digital converter and said directing
12			apparatus is programmable to detect an analog signal on any selected
13			contact of said first connector apparatus and cause said analog to digital
14			converter to convert said signal to a digital signal and output a copy of
15			said digital signal to said controller.
1 2	11. (Curresystem comprising:	rently an	nended) A system as recited in claim 1 A configurable connectorized
3	<u>(a)</u>	a mod	dule including
4		<u>(i)</u>	a first connector apparatus including a first plurality of connectors for
5			connecting a first plurality of cables between said module and a first
6			plurality of devices; and
7		<u>(ii)</u>	directing apparatus responsive to an input signal from a control apparatus
8			for causing said module to place any of a plurality of signals on any of a
9	·		plurality of connector pins of said first plurality of connectors wherein
10			said directing apparatus is programmable to cause a power supply
11			voltage to be connected to a first selected connector pin of said first

connector apparatus, and to cause a power supply return to be connected

to a second selected connector pin of said first connector apparatus.

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1	12.	(Curre	ently an	nended) A system as recited in claim + 4 wherein said directing	
2	apparatus inc	cludes a microprocessor.			
1	13.	(Origi	nal) A	system as recited in claim 12 wherein said module includes a power	
2	supply for pro	oviding	said su	pply voltage.	
1	14.	(Origi	nal) A	control system comprising:	
2		(a)	at leas	st one device to be controlled;	
3		(b)	a syst	em controller for directing operation of said at least one device;	
4		(c)	a first	cable apparatus including a first cable for connection of a first end to	
5			said s	ystem controller;	
6		(d)	a seco	and cable apparatus including a second cable for each said device with	
7			each s	said second cable having a first end for connection to a corresponding	
8			said a	t least one device; and	
9		(e)	a first	module including	
10			(i)	a first connector for connecting to a second end of said first cable;	
11			(ii)	a second connector for connecting to each second end of each said	
12				second cable; and	
13			(iii)	directing apparatus responsive to direction from said controller for	
14				directing transmission of any one of a plurality of signal types between	
15				said module and a selected said device through a selected one of a	
16				plurality of contacts on a corresponding said second connector, and for	
17				directing transmission of a said signal between said controller and said	

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first module.

1	15.	(Orig	inal) A	configurable connectorized cable testing system comprising:
2		(a)	A firs	t module including
3			(i)	a first connector for connecting to one end of a cable to be tested;
4			(ii)	a second connector for connecting to one end of a cable for connecting to
5				a first computer apparatus;
6		•	(iii)	first directing apparatus responsive to a command signal from said
7				computer apparatus for applying one of a plurality of signals generated
8				within said first module to a selected contact of said first connector for
9				transmission through said cable to be tested;
10		(b)	a seco	and module including
11			(i)	a third connector for connecting to a second end of said cable to be
12				tested;
13			(ii)	a fourth connector for connection of a cable for connecting to said first
14				computer apparatus;
15			(iii)	second directing apparatus responsive to a command signal from said
16				computer apparatus for sensing any signal on a contact of said third
17				connector and sending corresponding data to said first computer
18				apparatus through said cable for connecting to said first computer
19				apparatus for verifying an operational condition of said cable to be
20				tested.

16. (Currently amended) A system as recited in claim 1 4 wherein said plurality of signals includes a signal type includes type including frequency information.

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1	17.	(Origin	nal) A	A system as recited in claim 16 wherein said frequency information
2	represents ser	rial com	munic	eation.
1	. 18.	(Curre	ntly a	mended) A system as recited in claim 16 A configurable connectorized
2	system comp	rising:		
3		(a)	a mo	dule including
4			<u>(i)</u>	a first connector apparatus including a first plurality of connectors for
5				connecting a first plurality of cables between said module and a first
6				plurality of devices; and
7			<u>(ii)</u>	directing apparatus responsive to an input signal from a control apparatus
8				for causing said module to place any of a plurality of signals on any of a
9				plurality of connector pins of said first plurality of connectors, wherein
10			,	said plurality of signals includes a signal type including frequency
11				information, and wherein said frequency information is feedback

information from a servo motor.